

CLAIMS:

What is claimed is:

1. A method for generating a full thread dump at a
5 server virtual machine, comprising:
 - receiving a server dump request from a client virtual machine;
 - invoking a task to issue a thread dump request;
 - generating a thread dump in response to the thread dump request; and
 - 10 passing the thread dump to the client virtual machine.
2. The method of claim 1, wherein the step of receiving
15 a server dump request comprises receiving the server dump request using remote method invocation protocol.
3. The method of claim 1, wherein the step of passing the full thread dump to the client virtual machine
20 comprises:
 - capturing the thread dump using a hook; and
 - passing the captured thread dump to the server task.
4. The method of claim 3, wherein the hook is vfprintf.
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5. The method of claim 3, wherein the step of capturing the thread dump using a hook comprises reading the captured thread dump from a standard file handle for error messages.
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6. The method of claim 3, wherein the standard file handle for error messages is stderr.

7. The method of claim 3, wherein the step of passing the thread dump to the client virtual machine further comprises:

5 sending the thread dump from the server task to the client virtual machine using remote method invocation protocol.

8. The method of claim 1, wherein the step of passing the thread dump to the client virtual machine comprises 10 sending the thread dump using remote method invocation protocol.

9. A method for generating a server virtual machine full thread dump at a remote virtual machine, comprising:

15 sending a server thread dump request to the server virtual machine;
receiving a thread dump from the server virtual machine; and
presenting the thread dump.

20 10. The method of claim 9, further comprising:
debugging the server virtual machine at the remote virtual machine using the thread dump.

11. An apparatus for generating a thread dump at a server virtual machine, comprising:

receipt means for receiving a server dump request from a client virtual machine;

5 invocation means for invoking a task to issue a thread dump request;

generation means for generating a thread dump in response to the thread dump request; and

10 communication means for passing the thread dump to the client virtual machine.

12. The apparatus of claim 11, wherein the receipt means comprises means for receiving the server dump request using remote method invocation protocol.

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13. The apparatus of claim 11, wherein the communication means comprises:

capture means for capturing the thread dump using a hook; and

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passing means for passing the captured thread dump to the server task.

14. The apparatus of claim 13, wherein the hook is vfprintf.

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15. The apparatus of claim 13, wherein the capture means comprises means for reading the captured thread dump from a standard file handle for error messages.

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16. The apparatus of claim 13, wherein the standard file handle for error messages is stderr.

17. The apparatus of claim 13, wherein the passing means further comprises:

means for sending the thread dump from the server task to the client virtual machine using remote method invocation protocol.

18. The apparatus of claim 11, wherein the communication means comprises means for sending the full thread dump using remote method invocation protocol.

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19. An apparatus for generating a server virtual machine thread dump at a remote virtual machine, comprising:

sending means for sending a server thread dump request to the server virtual machine;

15 receipt means for receiving a thread dump from the
server virtual machine; and

presentation means for presenting the thread dump at the remote virtual machine.

20 20. A computer program product, in a computer readable medium, for generating a full thread dump at a server virtual machine, comprising:

instructions for receiving a server dump request from a client virtual machine;

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25      instructions for invoking a task to issue a thread
dump request;
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instructions for generating a thread dump in response to the thread dump request; and

instructions for passing the thread dump to the
client virtual machine.

21. A computer program product, in a computer readable medium, for generating a server virtual machine full thread dump at a remote virtual machine, comprising:

- instructions for sending a server thread dump request to the server virtual machine;
- 5 instructions for receiving a thread dump from the server virtual machine; and
- instructions for presenting the thread dump.

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